Classwork 11 Intermediate Algebra MTH 35 Topic: Logarithm

Name: _ Evaluate the expressions: 1. $\log_9 81$ ANSWER **2.** $\log_2 16$ ANSWER 3. $\log_9 \sqrt{3}$ ANSWER 4. $2^{\log_2 7}$ ANSWER 5. $\log_5 \frac{1}{25}$

Use definition of logarithm to find *x*:

6. $\log_3 x = 2$

ANSWER

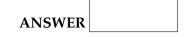
7. $\log_4 x = 2$

8. $\log_x 8 = 3/2$

9. $\log_2(2x-1) = 3$

ANSWER

10. $\log_2 x + \log_2 3x = 4$



ANSWER